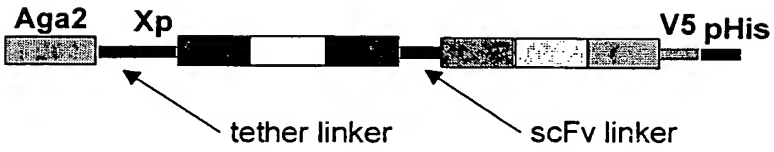
FIGURE 1



Linker WT - GGGGSGGGGSGGGGS
Linker 41 - GENKVEYAPALMALS
Linker 40 - GPAKELTPLKEAKVS
Linker 34 - GHEAAAVMQVQYPAS

FIGURE 2

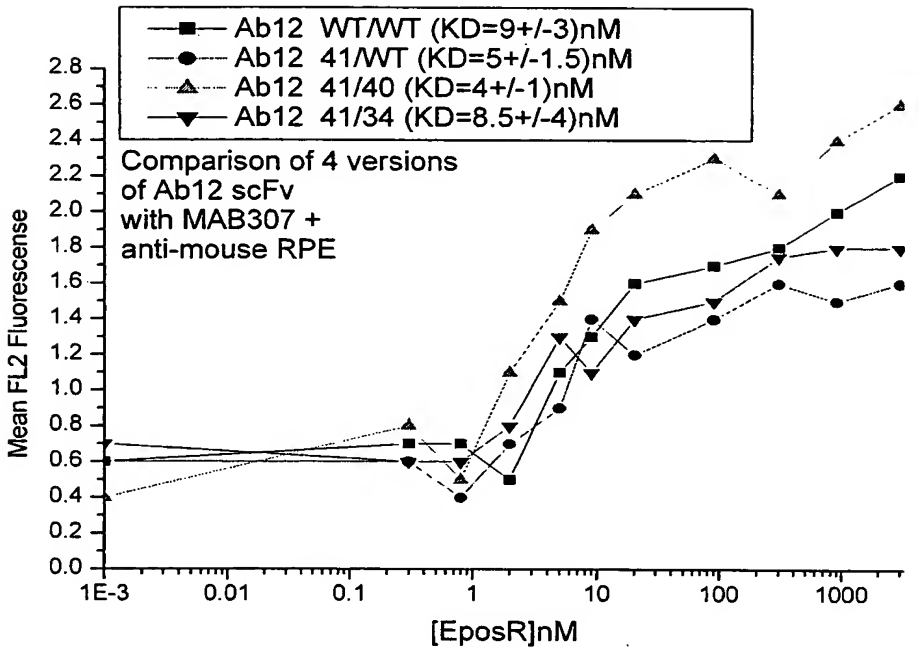

Ab12 WT/WT (KD=9+/-3)nM
Ab12 41/WT (KD=5+/-1.5)nM
Ab12 41/40 (KD=4+/-1)nM
Ab12 41/34 (KD=8.5+/-4)nM
Comparison of 4 versions
of Ab12 scFv
with MAB307 +
anti-mouse RPE
Mean FL2 Fluorescense
2.8
2.6
2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1E-3
0.01
0.1
1
10
100
1000
[EposR]nM

FIGURE 3

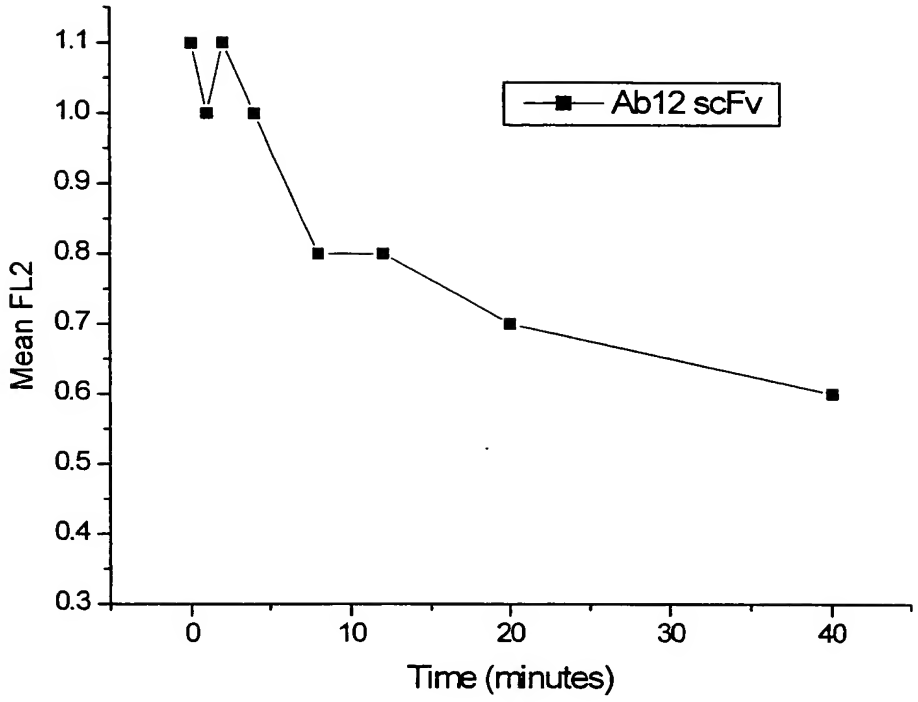

Ab12 scFv
Mean FL2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0
10
20
30
40
Time (minutes)

FIGURE 4

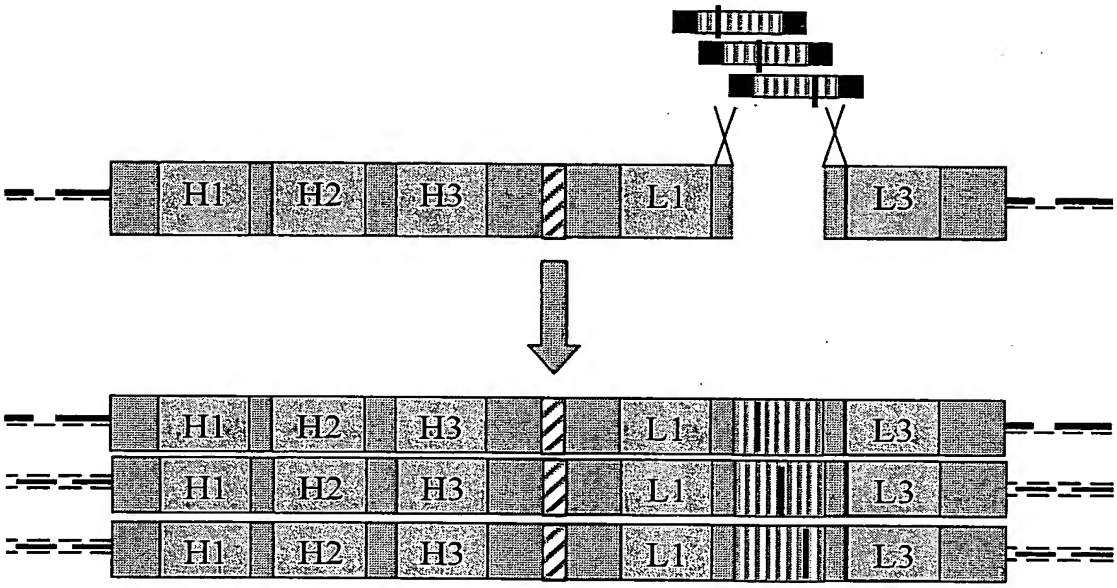


FIGURE 5

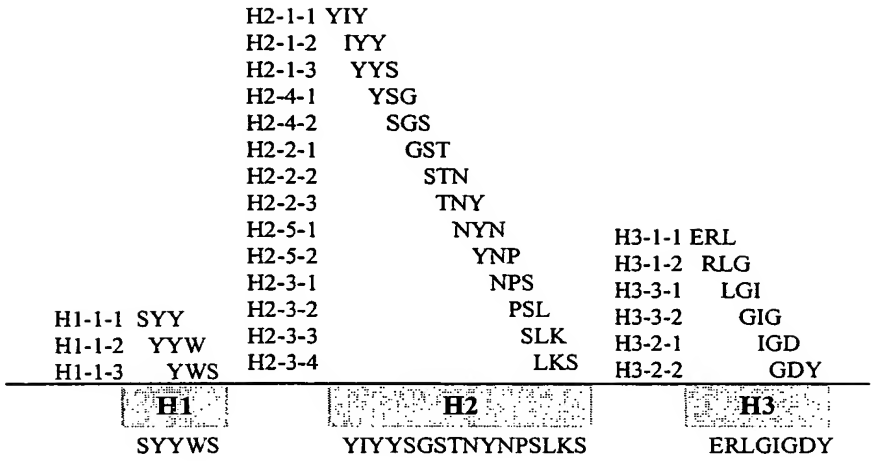

H2-1-1 YIY
H2-1-2 IYY
H2-1-3 YYS
H2-4-1 YSG
H2-4-2 SGS
H2-2-1 GST
H2-2-2 STN
H2-2-3 TNY
H2-5-1 NYN
H2-5-2 YNP
H2-3-1 NPS
H2-3-2 PSL
H2-3-3 SLK
H2-3-4 LKS
H3-1-1 ERL
H3-1-2 RLG
H3-3-1 LGI
H3-3-2 GIG
H3-2-1 IGD
H3-2-2 GDY
H1-1-1 SYY
H1-1-2 YYW
H1-1-3 YWS
H1
H2
H3
SYYWS
YIYYSGSTNYNPSLKS
ERLGIGDY

FIGURE 6

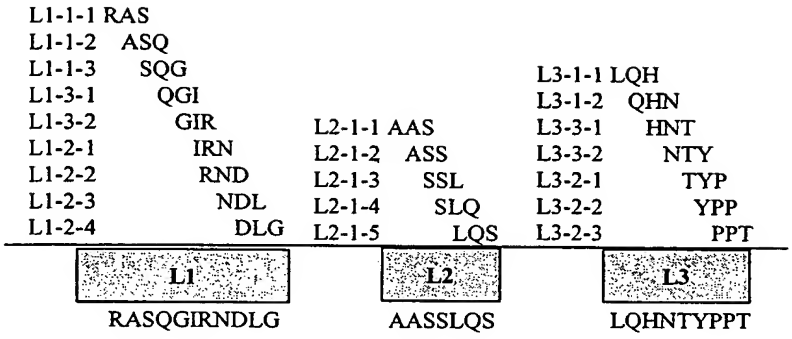

L1-1-1 RAS
L1-1-2 ASQ
L1-1-3 SQG
L1-3-1 QGI
L1-3-2 GIR
L1-2-1 IRN
L1-2-2 RND
L1-2-3 NDL
L1-2-4 DLG
L2-1-1 AAS
L2-1-2 ASS
L2-1-3 SSL
L2-1-4 SLQ
L2-1-5 LQS
L3-1-1 LQH
L3-1-2 QHN
L3-3-1 HNT
L3-3-2 NTY
L3-2-1 TYP
L3-2-2 YPP
L3-2-3 PPT
L1
L2
L3
RASQGIRNDLG
AASSLQS
LQHNTYPPT

FIGURE 7

SEQ ID NO:	Ab	FR1	CDR1	FR2	CDR2
5	Germline	QVQLQESGPGLVKPSETLSLTCTVS	GGSISSYYWS	WIRQPPGKGLEWIG	YIYYSGSTNYNPSLKS
6	12	QVQLQESGPGLVKPSETLSLTCTVS	G**A**SISSYYWS	WIRQPPGKGLEWIG	YIYYSGSTNYNPSLKS
7	12.6	QVQLQESGPGLVKPSETLSLTCTVS	G**A**SISSYYWS	WIRQPPGKGLEWIG	YI**GGE**GSTNYNPSLKS
8	12.56	QVQLQESGPGLVKPSETLSLTCTVS	G**A**SISSYYWS	WIRQPPGKGLEWIG	YI**AGT**GSTNYNPSLKS
9	12.118	QVQLQESGPGLVKPSETLSLTCTVS	G**A**SISSYYWS	WIRQPPGKGLEWIG	YI**GYS**GSTNYNPSLKS
10	12.119	QVQLQESGPGLVKPSETLSLTCTVS	G**A**SISSYYWS	WIRQPPGKGLEWIG	YI**YGS**GSTNYNPSLKS
11	12.120	QVQLQESGPGLVKPSETLSLTCTVS	G**A**SISSYYWS	WIRQPPGKGLEWIG	YI**YYE**GSTNYNPSLKS
12	12.121	QVQLQESGPGLVKPSETLSLTCTVS	G**A**SISSYYWS	WIRQPPGKGLEWIG	YI**GGS**GSTNYNPSLKS
13	12.122	QVQLQESGPGLVKPSETLSLTCTVS	G**A**SISSYYWS	WIRQPPGKGLEWIG	YI**YGE**GSTNYNPSLKS
14	12.123	QVQLQESGPGLVKPSETLSLTCTVS	G**A**SISSYYWS	WIRQPPGKGLEWIG	YI**GYE**GSTNYNPSLKS
15	Consensus	QVQLQESGPGLVKPSETLSLTCTVS	G**A**SISSYYWS	WIRQPPGKGLEWIG	YI**$X_1X_2X_3$**GSTNYNPSLKS

Ab	FR3	CDR3	FR4
Germline	RVTISVDTSKNQFSLKLSSVTAADTAVYYCAR	ERLGIGDY	WGQGTLVTVSS
12	RVTISVDTSKNQFSLKL**R**SVTAADTAVYYCAR	ERLGIGDY	WGQGTLVTVSS
12.6	RVTISVDTSKNQFSLKL**R**SVTAADTAVYYCAR	ERLGIGDY	WGQGTLVTVSS
12.56	RVTISVDTSKNQFSLKL**R**SVTAADTAVYYCAR	ERLGIGDY	WGQGTLVTVSS
12.118	RVTISVDTSKNQFSLKL**R**SVTAADTAVYYCAR	ERLGIGDY	WGQGTLVTVSS
12.119	RVTISVDTSKNQFSLKL**R**SVTAADTAVYYCAR	ERLGIGDY	WGQGTLVTVSS
12.120	RVTISVDTSKNQFSLKL**R**SVTAADTAVYYCAR	ERLGIGDY	WGQGTLVTVSS
12.121	RVTISVDTSKNQFSLKL**R**SVTAADTAVYYCAR	ERLGIGDY	WGQGTLVTVSS
12.122	RVTISVDTSKNQFSLKL**R**SVTAADTAVYYCAR	ERLGIGDY	WGQGTLVTVSS
12.123	RVTISVDTSKNQFSLKL**R**SVTAADTAVYYCAR	ERLGIGDY	WGQGTLVTVSS
Consensus	RVTISVDTSKNQFSLKL**R**SVTAADTAVYYCAR	ERLGIGDY	WGQGTLVTVSS

FIGURE 8

SEQ ID NO	Ab	FR1	CDR1	FR2	CDR2
16	Germline	DIQMTQSPSSLSASVGDRVTITC	RASQGIRNDLG	WYQQKPGKAPKRLIY	AASSLQS
17	12	DIQ**L**TQSPSSLSASVGDRVTITC	RASQGIRNDLG	WYQQKPGKAPKRLIY	AASSLQS
17	12.6	DIQ**L**TQSPSSLSASVGDRVTITC	RASQGIRNDLG	WYQQKPGKAPKRLIY	AASSLQS
17	12.56	DIQ**L**TQSPSSLSASVGDRVTITC	RASQGIRNDLG	WYQQKPGKAPKRLIY	AASSLQS
17	12.118	DIQ**L**TQSPSSLSASVGDRVTITC	RASQGIRNDLG	WYQQKPGKAPKRLIY	AASSLQS
17	12.119	DIQ**L**TQSPSSLSASVGDRVTITC	RASQGIRNDLG	WYQQKPGKAPKRLIY	AASSLQS
17	12.120	DIQ**L**TQSPSSLSASVGDRVTITC	RASQGIRNDLG	WYQQKPGKAPKRLIY	AASSLQS
17	12.121	DIQ**L**TQSPSSLSASVGDRVTITC	RASQGIRNDLG	WYQQKPGKAPKRLIY	AASSLQS
17	12.122	DIQ**L**TQSPSSLSASVGDRVTITC	RASQGIRNDLG	WYQQKPGKAPKRLIY	AASSLQS
17	12.123	DIQ**L**TQSPSSLSASVGDRVTITC	RASQGIRNDLG	WYQQKPGKAPKRLIY	AASSLQS

Ab	FR3	CDR3	FR4
Germline	GVPSRFSGSGSGTEFTLTISSLQPEDFATYYC	LQHNSYPPT	FGQGTKVEIK
12	GVPSRFSGSGSGTEFTLTISSLQPEDFATYYC	LQHN**T**YPPT	FGQGTKVEIK
12.6	GVPSRFSGSGSGTEFTLTISSLQPEDFATYYC	LQHN**T**YPPT	FGQGTKVEIK
12.56	GVPSRFSGSGSGTEFTLTISSLQPEDFATYYC	LQHN**T**YPPT	FGQGTKVEIK
12.118	GVPSRFSGSGSGTEFTLTISSLQPEDFATYYC	LQHN**T**YPPT	FGQGTKVEIK
12.119	GVPSRFSGSGSGTEFTLTISSLQPEDFATYYC	LQHN**T**YPPT	FGQGTKVEIK
12.120	GVPSRFSGSGSGTEFTLTISSLQPEDFATYYC	LQHN**T**YPPT	FGQGTKVEIK
12.121	GVPSRFSGSGSGTEFTLTISSLQPEDFATYYC	LQHN**T**YPPT	FGQGTKVEIK
12.122	GVPSRFSGSGSGTEFTLTISSLQPEDFATYYC	LQHN**T**YPPT	FGQGTKVEIK
12.123	GVPSRFSGSGSGTEFTLTISSLQPEDFATYYC	LQHN**T**YPPT	FGQGTKVEIK

FIGURE 9

A. Ab12 VH nucleic acid (SEQ ID NO:36) and corresponding amino acid sequence (SEQ ID NO:6)Ab

```
    Q  V  Q  L  Q  E  S  G  P  G  L  V  K  P
  1 CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCT
    S  E  T  L  S  L  T  C  T  V  S  G  A  S
 43 TCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGCCTCC
    I  S  S  Y  Y  W  S  W  I  R  Q  P  P  G
 85 ATCAGTAGTTACTACTGGAGCTGGATCCGGCAGCCCCCAGGG
    K  G  L  E  W  I  G  Y  I  Y  Y  S  G  S
127 AAGGGACTGGAGTGGATTGGGTATATCTATTACAGTGGGAGC
    T  N  Y  N  P  S  L  K  S  R  V  T  I  S
169 ACCAACTACAACCCCTCCCTCAAGAGTCGAGTCACCATATCA
    V  D  T  S  K  N  Q  F  S  L  K  L  R  S
211 GTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGGTCT
    V  T  A  A  D  T  A  V  Y  Y  C  A  R  E
253 GTGACCGCTGCGGACACGGCCGTGTATTACTGTGCGAGAGAG
    R  L  G  I  G  D  Y  W  G  Q  G  T  L  V
295 CGACTGGGGATCGGGGACTACTGGGGCCAGGGAACCCTGGTC
    T  V  S  S
337 ACCGTCTCCTCA
```

B. Ab12.6 VH nucleic acid (SEQ ID NO:27) and corresponding amino acid sequence (SEQ ID NO:7)

```
    Q  V  Q  L  Q  E  S  G  P  G  L  V  K  P
  1 CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCT
    S  E  T  L  S  L  T  C  T  V  S  G  A  S
 43 TCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGCCTCC
    I  S  S  Y  Y  W  S  W  I  R  Q  P  P  G
 85 ATCAGTAGTTACTACTGGAGCTGGATCCGGCAGCCCCCAGGG
    K  G  L  E  W  I  G  Y  I  G  G  E  G  S
127 AAGGGACTGGAGTGGATTGGGTATATCGGGGGGGAGGGGAGC
    T  N  Y  N  P  S  L  K  S  R  V  T  I  S
169 ACCAACTACAACCCCTCCCTCAAGAGTCGAGTCACCATATCA
    V  D  T  S  K  N  Q  F  S  L  K  L  R  S
211 GTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGGTCT
    V  T  A  A  D  T  A  V  Y  Y  C  A  R  E
253 GTGACCGCTGCGGACACGGCCGTGTATTACTGTGCGAGAGAG
    R  L  G  I  G  D  Y  W  G  Q  G  T  L  V
295 CGACTGGGGATCGGGGACTACTGGGGCCAGGGAACCCTGGTC
    T  V  S  S
337 ACCGTCTCCTCA
```

FIG. 9 (con't)

C. Ab12.56 VH nucleic acid (SEQ ID NO:28) and corresponding amino acid sequence (SEQ ID NO:8)

```
    Q  V  Q  L  Q  E  S  G  P  G  L  V  K  P
 1  CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCT
    S  E  T  L  S  L  T  C  T  V  S  G  A  S
43  TCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGCCTCC
    I  S  S  Y  Y  W  S  W  I  R  Q  P  P  G
85  ATCAGTAGTTACTACTGGAGCTGGATCCGGCAGCCCCCAGGG
    K  G  L  E  W  I  G  Y  I  A  G  T  G  S
127 AAGGGACTGGAGTGGATTGGGTATATCGCCGGGACGGGGAGC
    T  N  Y  N  P  S  L  K  S  R  V  T  I  S
169 ACCAACTACAACCCCTCCCTCAAGAGTCGAGTCACCATATCA
    V  D  T  S  K  N  Q  F  S  L  K  L  R  S
211 GTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGGTCT
    V  T  A  A  D  T  A  V  Y  Y  C  A  R  E
253 GTGACCGCTGCGGACACGGCCGTGTATTACTGTGCGAGAGAG
    R  L  G  I  G  D  Y  W  G  Q  G  T  L  V
295 CGACTGGGGATCGGGGACTACTGGGGCCAGGGAACCCTGGTC
    T  V  S  S
337 ACCGTCTCCTCA
```

D. Ab12.118 VH nucleic acid (SEQ ID NO:29) and corresponding amino acid sequence (SEQ ID NO:9)

```
    Q  V  Q  L  Q  E  S  G  P  G  L  V  K  P
 1  CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCT
    S  E  T  L  S  L  T  C  T  V  S  G  A  S
43  TCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGCCTCC
    I  S  S  Y  Y  W  S  W  I  R  Q  P  P  G
85  ATCAGTAGTTACTACTGGAGCTGGATCCGGCAGCCCCCAGGG
    K  G  L  E  W  I  G  Y  I  G  Y  S  G  S
127 AAGGGACTGGAGTGGATTGGGTATATCGGTTACAGTGGGAGC
    T  N  Y  N  P  S  L  K  S  R  V  T  I  S
169 ACCAACTACAACCCCTCCCTCAAGAGTCGAGTCACCATATCA
    V  D  T  S  K  N  Q  F  S  L  K  L  R  S
211 GTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGGTCT
    V  T  A  A  D  T  A  V  Y  Y  C  A  R  E
253 GTGACCGCTGCGGACACGGCCGTGTATTACTGTGCGAGAGAG
    R  L  G  I  G  D  Y  W  G  Q  G  T  L  V
295 CGACTGGGGATCGGGGACTACTGGGGCCAGGGAACCCTGGTC
    T  V  S  S
337 ACCGTCTCCTCA
```

FIG. 9 (con't)

E. Ab12.119 VH nucleic acid (SEQ ID NO:30) and corresponding amino acid sequence (SEQ ID NO:10)

```
    Q  V  Q  L  Q  E  S  G  P  G  L  V  K  P
  1 CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCT
    S  E  T  L  S  L  T  C  T  V  S  G  A  S
 43 TCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGCCTCC
    I  S  S  Y  Y  W  S  W  I  R  Q  P  P  G
 85 ATCAGTAGTTACTACTGGAGCTGGATCCGGCAGCCCCCAGGG
    K  G  L  E  W  I  G  Y  I  Y  G  S  G  S
127 AAGGGACTGGAGTGGATTGGGTATATCTATGGCAGTGGGAGC
    T  N  Y  N  P  S  L  K  S  R  V  T  I  S
169 ACCAACTACAACCCCTCCCTCAAGAGTCGAGTCACCATATCA
    V  D  T  S  K  N  Q  F  S  L  K  L  R  S
211 GTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGGTCT
    V  T  A  A  D  T  A  V  Y  Y  C  A  R  E
253 GTGACCGCTGCGGACACGGCCGTGTATTACTGTGCGAGAGAG
    R  L  G  I  G  D  Y  W  G  Q  G  T  L  V
295 CGACTGGGGATCGGGGACTACTGGGGCCAGGGAACCCTGGTC
    T  V  S  S
337 ACCGTCTCCTCA
```

F. Ab12.120 VH nucleic acid (SEQ ID NO:31) and corresponding amino acid sequence (SEQ ID NO:11)

```
    Q  V  Q  L  Q  E  S  G  P  G  L  V  K  P
  1 CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCT
    S  E  T  L  S  L  T  C  T  V  S  G  A  S
 43 TCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGCCTCC
    I  S  S  Y  Y  W  S  W  I  R  Q  P  P  G
 85 ATCAGTAGTTACTACTGGAGCTGGATCCGGCAGCCCCCAGGG
    K  G  L  E  W  I  G  Y  I  Y  Y  E  G  S
127 AAGGGACTGGAGTGGATTGGGTATATCTATTACGAAGGGAGC
    T  N  Y  N  P  S  L  K  S  R  V  T  I  S
169 ACCAACTACAACCCCTCCCTCAAGAGTCGAGTCACCATATCA
    V  D  T  S  K  N  Q  F  S  L  K  L  R  S
211 GTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGGTCT
    V  T  A  A  D  T  A  V  Y  Y  C  A  R  E
253 GTGACCGCTGCGGACACGGCCGTGTATTACTGTGCGAGAGAG
    R  L  G  I  G  D  Y  W  G  Q  G  T  L  V
295 CGACTGGGGATCGGGGACTACTGGGGCCAGGGAACCCTGGTC
    T  V  S  S
337 ACCGTCTCCTCA
```

FIGURE 9 (cont.)

G. Ab12.121 VH nucleic acid (SEQ ID NO:32) and corresponding amino acid sequence (SEQ ID NO:12)

```
    Q  V  Q  L  Q  E  S  G  P  G  L  V  K  P
  1 CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCT
    S  E  T  L  S  L  T  C  T  V  S  G  A  S
 43 TCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGCCTCC
    I  S  S  Y  Y  W  S  W  I  R  Q  P  P  G
 85 ATCAGTAGTTACTACTGGAGCTGGATCCGGCAGCCCCCAGGG
    K  G  L  E  W  I  G  Y  I  G  G  S  G  S
127 AAGGGACTGGAGTGGATTGGGTATATCGGGGGGTCGGGGAGC
    T  N  Y  N  P  S  L  K  S  R  V  T  I  S
169 ACCAACTACAACCCCTCCCTCAAGAGTCGAGTCACCATATCA
    V  D  T  S  K  N  Q  F  S  L  K  L  R  S
211 GTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGGTCT
    V  T  A  A  D  T  A  V  Y  Y  C  A  R  E
253 GTGACCGCTGCGGACACGGCCGTGTATTACTGTGCGAGAGAG
    R  L  G  I  G  D  Y  W  G  Q  G  T  L  V
295 CGACTGGGGATCGGGGACTACTGGGGCCAGGGAACCCTGGTC
    T  V  S  S
337 ACCGTCTCCTCA
```

H. Ab12.122 VH nucleic acid (SEQ ID NO:33) and corresponding amino acid sequence (SEQ ID NO:13)

```
    Q  V  Q  L  Q  E  S  G  P  G  L  V  K  P
  1 CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCT
    S  E  T  L  S  L  T  C  T  V  S  G  A  S
 43 TCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGCCTCC
    I  S  S  Y  Y  W  S  W  I  R  Q  P  P  G
 85 ATCAGTAGTTACTACTGGAGCTGGATCCGGCAGCCCCCAGGG
    K  G  L  E  W  I  G  Y  I  Y  G  E  G  S
127 AAGGGACTGGAGTGGATTGGGTATATCTATGGGGAAGGGAGC
    T  N  Y  N  P  S  L  K  S  R  V  T  I  S
169 ACCAACTACAACCCCTCCCTCAAGAGTCGAGTCACCATATCA
    V  D  T  S  K  N  Q  F  S  L  K  L  R  S
211 GTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGGTCT
    V  T  A  A  D  T  A  V  Y  Y  C  A  R  E
253 GTGACCGCTGCGGACACGGCCGTGTATTACTGTGCGAGAGAG
    R  L  G  I  G  D  Y  W  G  Q  G  T  L  V
295 CGACTGGGGATCGGGGACTACTGGGGCCAGGGAACCCTGGTC
    T  V  S  S
337 ACCGTCTCCTCA
```

FIGURE 9 (cont.)

I. Ab12.123 VH nucleic acid (SEQ ID NO:34) and corresponding amino acid sequence (SEQ ID NO:14)

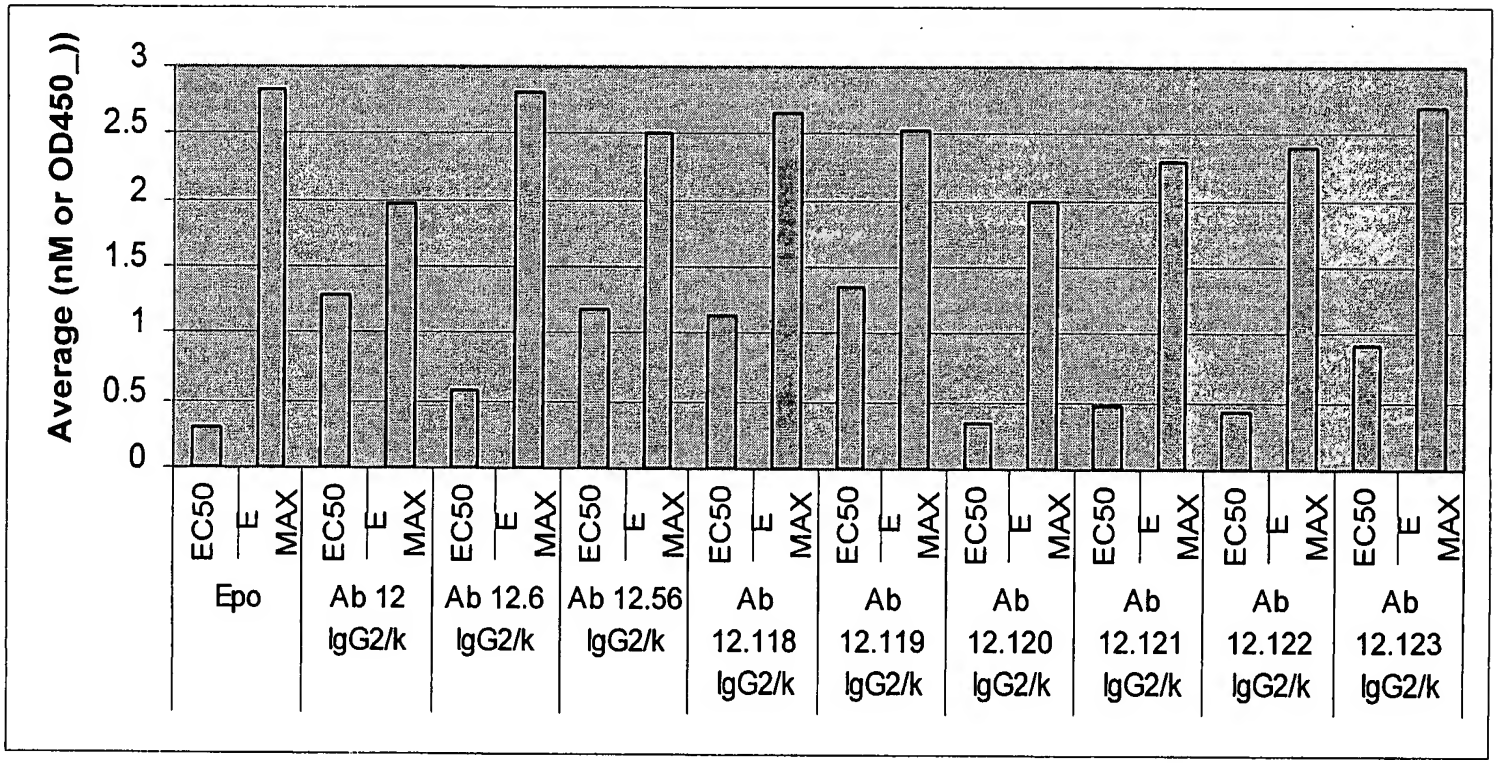
```
    Q  V  Q  L  Q  E  S  G  P  G  L  V  K  P
 1  CAGGTGCAGCTGCAGGAGTCGGGCCCAGGACTGGTGAAGCCT
    S  E  T  L  S  L  T  C  T  V  S  G  A  S
43  TCGGAGACCCTGTCCCTCACCTGCACTGTCTCTGGTGCCTCC
    I  S  S  Y  Y  W  S  W  I  R  Q  P  P  G
85  ATCAGTAGTTACTACTGGAGCTGGATCCGGCAGCCCCCAGGG
    K  G  L  E  W  I  G  Y  I  G  Y  E  G  S
127 AAGGGACTGGAGTGGATTGGGTATATCGGGTACGAGGGGAGC
    T  N  Y  N  P  S  L  K  S  R  V  T  I  S
169 ACCAACTACAACCCCTCCCTCAAGAGTCGAGTCACCATATCA
    V  D  T  S  K  N  Q  F  S  L  K  L  R  S
211 GTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGAGGTCT
    V  T  A  A  D  T  A  V  Y  Y  C  A  R  E
253 GTGACCGCTGCGGACACGGCCGTGTATTACTGTGCGAGAGAG
    R  L  G  I  G  D  Y  W  G  Q  G  T  L  V
295 CGACTGGGGATCGGGGACTACTGGGGCCAGGGAACCCTGGTC
    T  V  S  S
337 ACCGTCTCCTCA
```

FIGURE 10

VL nucleic acid (SEQ ID NO:35) and corresponding amino acid sequence (SEQ ID NO:17)Ab of Ab12, Ab12.6 and Ab12.6-related antibodies

```
    D  I  Q  L  T  Q  S  P  S  S  L  S  A  S
 1  GACATCCAGCTGACCCAATCTCCATCCTCCCTGTCTGCATCT
    V  G  D  R  V  T  I  T  C  R  A  S  Q  G
43  GTAGGAGACAGAGTCACCATCACTTGCCGGGCAAGTCAGGGC
    I  R  N  D  L  G  W  Y  Q  Q  K  P  G  K
85  ATTAGAAATGATTTAGGCTGGTATCAGCAGAAACCAGGGAAA
    A  P  K  R  L  I  Y  A  A  S  S  L  Q  S
127 GCCCCTAAGCGCCTGATCTATGCTGCATCCAGTTTGCAAAGT
    G  V  P  S  R  F  S  G  S  G  S  G  T  E
169 GGGGTCCCATCAAGGTTCAGCGGCAGTGGATCTGGGACAGAA
    F  T  L  T  I  S  S  L  Q  P  E  D  F  A
211 TTCACTCTCACAATCAGCAGCCTGCAGCCTGAAGATTTTGCA
    T  Y  Y  C  L  Q  H  N  T  Y  P  P  T  F
253 ACTTATTACTGTCTACAGCATAATACTTACCCTCCGACGTTC
    G  Q  G  T  K  V  E  I  K
295 GGCCAAGGGACCAAGGTGGAAATCAAA
```

FIGURE 11


Average (nM or OD450_))
3
2.5
2
1.5
1
0.5
0
EC50
E
MAX
Epo
Ab 12 IgG2/k
Ab 12.6 IgG2/k
Ab 12.56 IgG2/k
Ab 12.118 IgG2/k
Ab 12.119 IgG2/k
Ab 12.120 IgG2/k
Ab 12.121 IgG2/k
Ab 12.122 IgG2/k
Ab 12.123 IgG2/k

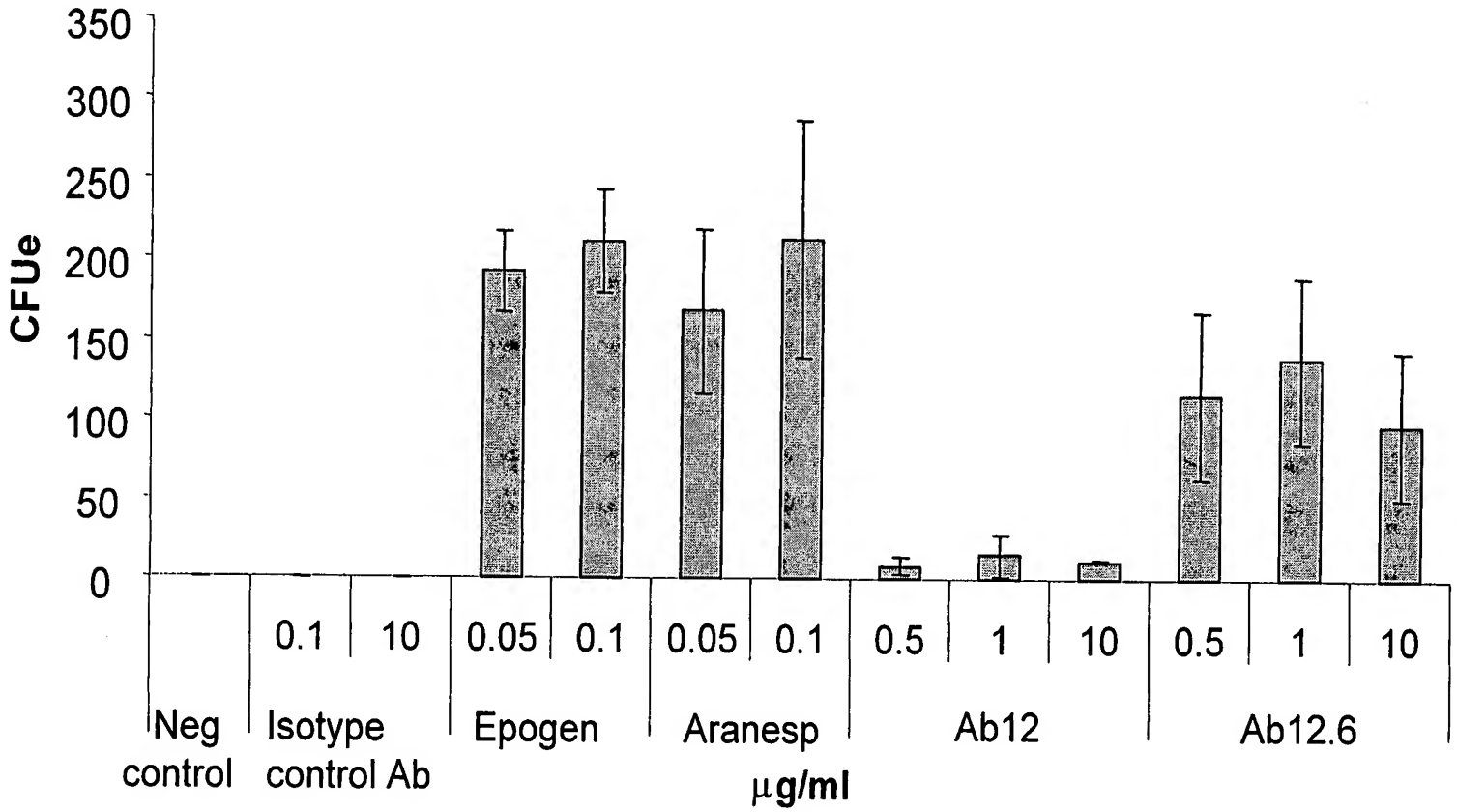

CFUe
350
300
250
200
150
100
50
0
0.1
10
0.05
0.1
0.05
0.1
0.5
1
10
0.5
1
10
Neg control
Isotype control Ab
Epogen
Aranesp
Ab12
Ab12.6
μg/ml

Figure 12

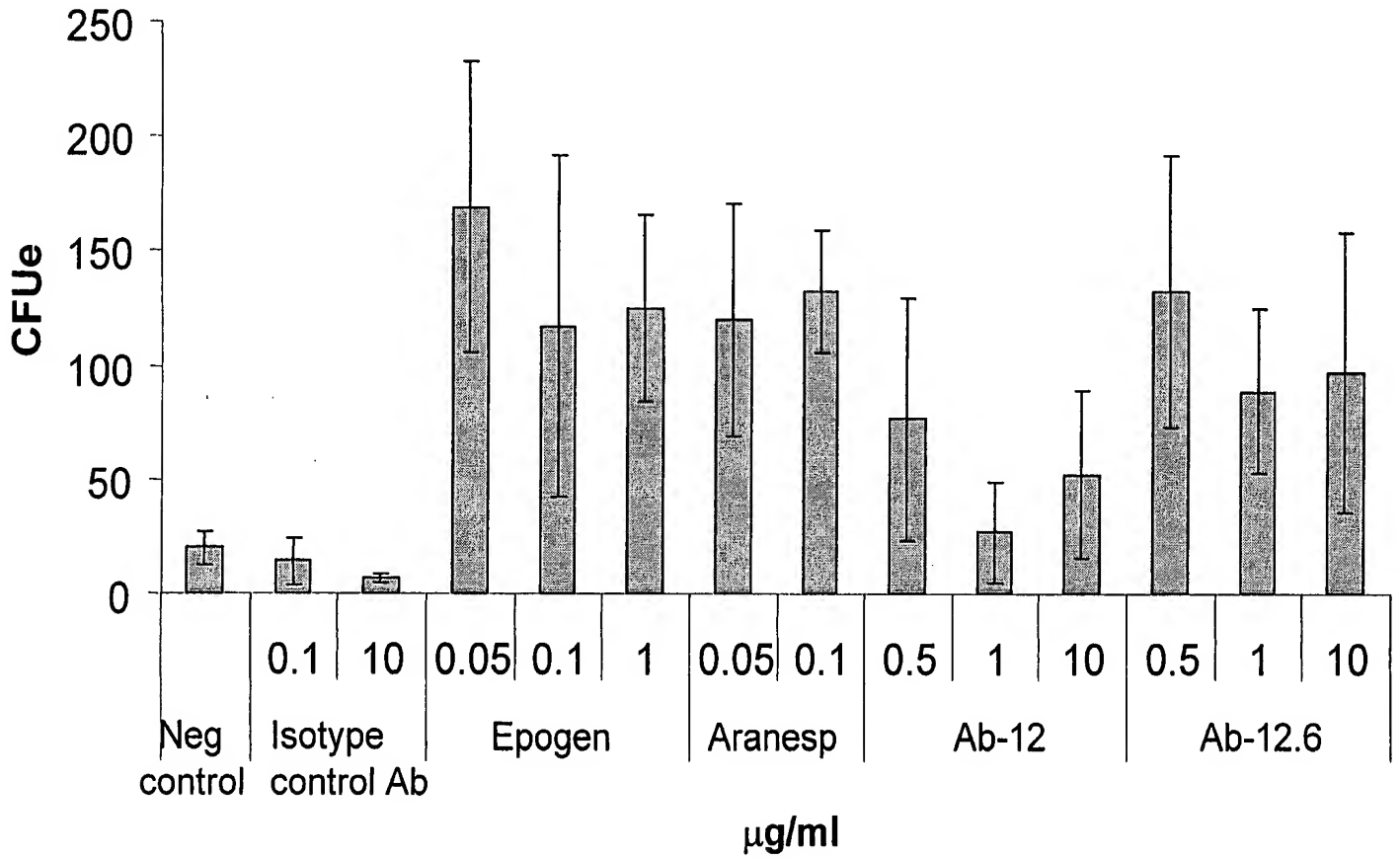

250
200
150
100
50
0
CFUe
0.1
10
0.05
0.1
1
0.05
0.1
0.5
1
10
0.5
1
10
Neg control
Isotype control Ab
Epogen
Aranesp
Ab-12
Ab-12.6
µg/ml

Figure 13

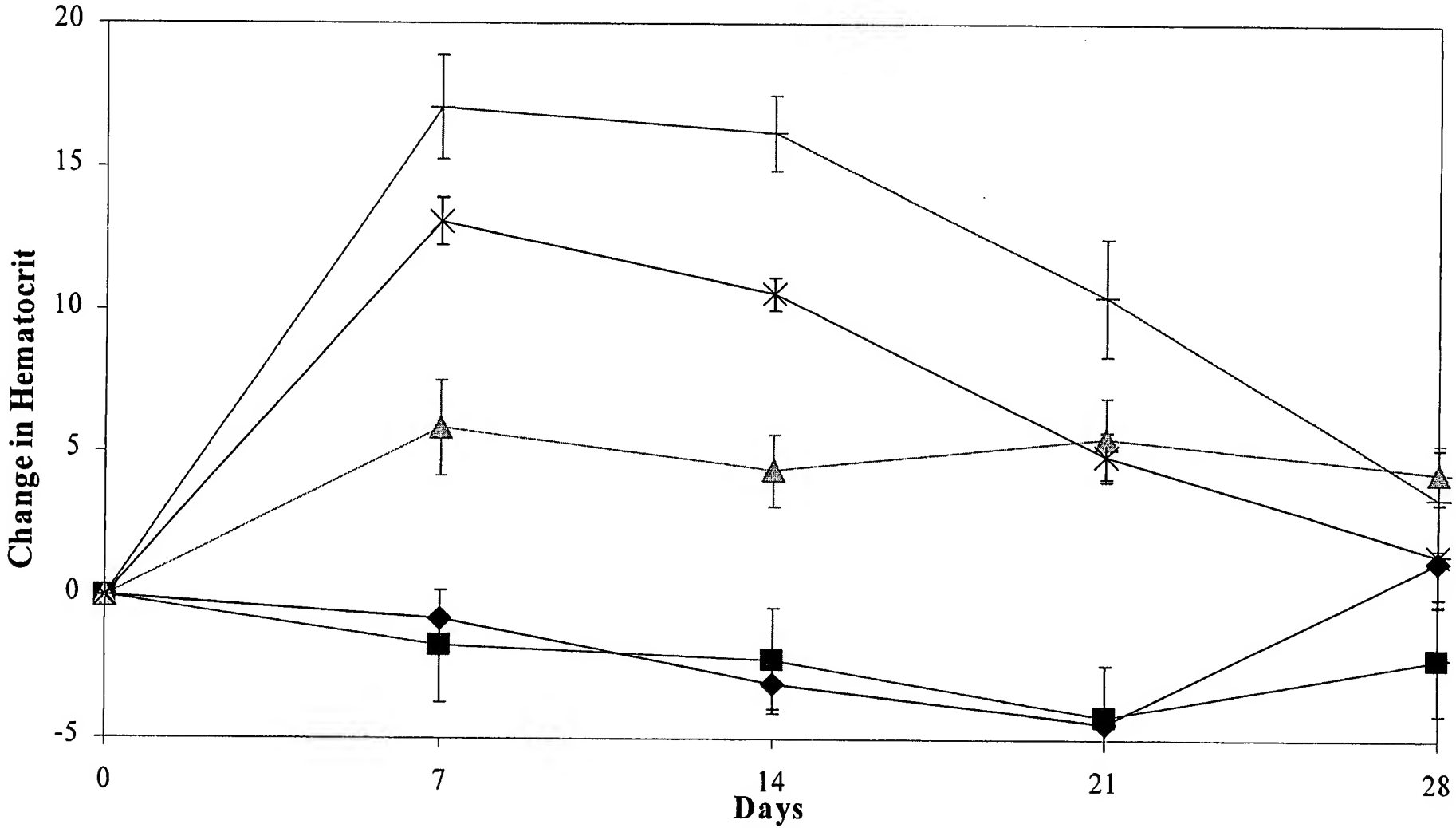


FIGURE 14